



Sustainability Opportunities



Let us know if you'd like more information. (Red font = JSC event)

Here are your **September 2013 Sustainability Opportunities** at the Johnson Space Center and in the greater Houston area. Please participate, and contact JSC-Sustainability@mail.nasa.gov with additional opportunities.

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A Look Back before we Look Ahead...

On August 1st, the [JSC Green Team](#) kicked off our 2013 site-wide [Energy Conservation Competition](#). Each building occupant is asked to do everything you can to save energy between now and October 11th. The savings will be reported biweekly by building, and the winning building will be announced just in time for Halloween. Read all the [rules here](#).

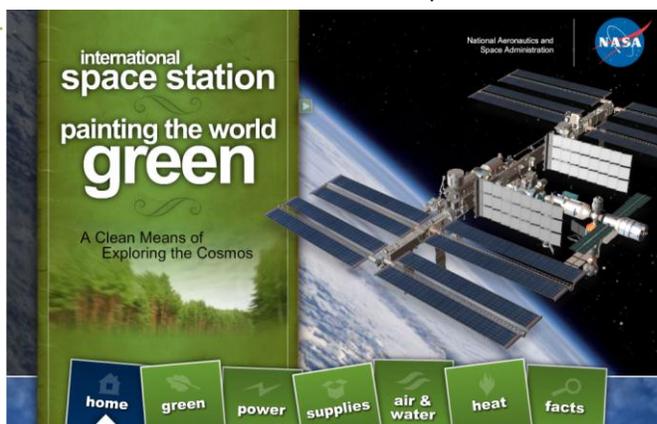


Energy Savings Tips!!

- Close your shades and feather your blinds to block the heat.
- Turn off lights where ever there's a switch.
- Unplug electronics and power **off** your strip when you go home.
- Do you really need that extra refrigerator? If no, take it home!
- Notify work control (x32038) if you see exterior building lights or street lights on during the day.



See how [NASA's Painting the World Green](#) with a clean means of exploring the cosmos via the International Space Station!!



Do you know what "Sustainability" actually means? Read our [JSC Sustainability Engagement Strategy](#)!!



In our JSC Sustainability model, there are 6 natural resources we're trying to protect while meeting our mission objectives here at JSC. Find out more at the [JSC Sustainability Webpage](#)!



You're making a difference in our [JSC Annual Sustainability Report](#)!!

12% REDUCTION in electricity consumption from FY 2011	\$54,400,000 in equipment redistribution instead of disposal
404,644 kWh of renewable energy generated onsite	99% REDUCTION in hazardous waste generation over 20 years
280,000 GALLONS of water runoff saved for irrigation	321,660 SQUARE FEET of certified green building space
11% REDUCTION in water use from FY 2011	750 ACRES containing rare Texas Coastal Prairie Habitat
3 more efficient chillers installed	\$30,000 saved in 10 weeks through a JSC Green Team energy-saving competition
69% REDUCTION in petroleum fuel use in fleet vehicles from FY 2008	One Presidential GreenGov award earned by NASA



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Sustainability Opportunities this month

- **Sept 4th – JSC Environmental Stewardship Subcommittee (ESS) 3rd quarter meeting**
 - 10:00-11:00AM
 - B-45 R712D
 - POC: Alan Amor and Christal Banks
- **Sept 4th – USGBC Recycling Unconference: “Construction & Demolition”**
 - These events will be interactive and are designed to bring together those who are facing challenges in their recycling efforts and those who can help overcome those challenges.
 - For more information, e-mail recycling@usgbctexasgulfcoast.org.
- **Sept 7th – Houston’s Wildscape Workshop & Native Plant Sale**
 - 8:00AM – 3:30PM
 - Houston Zoo, Brown Education Center
 - <http://us4.campaign-archive1.com/?u=1180e30d135dbab6014d2ddf1&id=e42f42a013>
- **Sept 8th – Allen’s Landing Walking Tour**
 - 5:30PM (ticket purchase), 6:00-7:30PM tour
 - Meet at Allen’s Landing (1019 Commerce at Main Street)
 - \$10/\$7 for Preservation Houston and Bayou Buddies members
 - http://www.cechouston.org/ai1ec_event/allens-landing-walking-tour/?instance_id=
- **Sept 9th – JSC Flex Friday**
- **Sept 9th – Houston Urban Gardener’s (HUG) Meeting**
 - 6:30PM
 - 1475 West Gray Street, Houston, TX 77019
 - <http://www.houstonurbangardeners.org/>
- **Sept 10th – Deadline extended for donating to saving 50 acres of the Deer Park Prairie**
 - Bayou Land Conservancy has been raising funds to purchase the Deer Park Prairie, a 50-acre home to more than 300 species of unique plants – tucked between subdivisions and just 3 miles south of the Deer Park refineries!
 - <http://www.bayoulandconservancy.org/#!save-deer-park-prairie/c19cm>
- **Sept 14th – Take Me Outdoors Houston at Discovery Green**
 - 10:00AM – 4:00PM
 - Offers a free, family-oriented festival to help urbanites in Texas’ largest city get back to nature.
 - <http://tpwd.texas.gov/newsmedia/releases/?req=20130815a>
- **Sept 16th – 18th – Compost Camp**
 - Texas Disposal Systems in Buda, Texas
 - The State of Texas Alliance for Recycling Compost Advisory Council's Compost Camp. More information available at www.recyclingstar.org.



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- **Sept 18th – JSC Green Team Meeting**
 - 1:00-2:00
 - B-20 R-360
 - POC: Demetrius Roberts
- **Sept 19th – USGBC Gulf Coast Chapter & AIA Houston COTE Sustainability Event**
 - 5:45PM – 7:45PM
 - Maggiano's, 2019 Post Oak Blvd, 77056
 - Bill Walsh – founder of the Healthy Building Network
 - http://www.cechouston.org/ai1ec_event/usgbc-gulf-coast-chapter-aia-houston-cote-sustainability-event/?instance_id=
- **Sept 23rd – JSC Flex Friday**
- **Sept 24-25th – SSPEED Center Conference: Hurricane Ike 5 Years Later**
 - Top experts in the field will discuss hurricane protection for Houston, Hurricane Sandy risk and response, and post Hurricane Katrina activities. Keynote speakers include Houston Mayor Annise Parker, Chairman Janiece Longoria of the Port of Houston Authority, Bill Read, former director of the National Hurricane Center and Professor Ning Lin from Princeton University who specializes in climate change and severe weather events. Held at the Rice University BioScience Research Collaborative (BRC).
 - <https://signup.rice.edu/>
- **Sept 25th – Electricity Production Through Wastewater**
 - 1:30PM – 4:30PM
 - CWI Workshop, 3555 Timmons Lane #120, Conf Room A, 77027
 - Free
 - http://www.cechouston.org/ai1ec_event/cwi-electricity-production-through-wastewater/?instance_id=
- **Sept 25th – Bikes, Bats, and Brew**
 - 6:00PM – 8:00PM
 - Meet at Market Square Park, 300 Travis Street, 77002
 - \$10 non-members/free for Bayou Buddies and Bayou City Outdoors members (not including the brew)
 - http://www.cechouston.org/ai1ec_event/bikes-bats-and-brew/?instance_id=
- **Sept 27th – 29th Texas Renewable Energy Roundup & Green Living Fair**
 - 100 West Main, Fredericksburg, TX
 - Early Registration: \$10 Fri, \$12 Sat, \$10 Sun; or \$25 wknd pass
 - <http://www.cvent.com/events/renewable-energy-roundup-and-green-living-fair-2013/event-summary-8a41ebbf42ec40969b667e1adb0cda08.aspx>



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Sneak Peek at Upcoming Events

- **Oct 3rd – Bayou Preservation Association's: "A Decade of Significant Change"**
 - 7:30AM – 4:00PM
 - United Way of Greater Houston
 - <http://www.bayoupreservation.org/default.aspx?menugroup=symposium>
- **Oct 4th & 5th – The Garden Club of Houston's 71st Annual Bulb & Plant Mart**
 - Holly Hall Retirement Community, 2000 Holly Hall Street, Houston, TX 77054
 - <http://www.gchouston.org/>
- **Oct 5th Historic Boat Tour on Buffalo Bayou: A Look Back**
 - 10:00AM – 11:30AM (monthly on 1st Saturdays until Dec 7th, 2013)
 - Meet at Allen's Landing at 1001 Commerce Street (at Main Street)
 - \$40/person (Heritage Society Members and Bayou Buddies receive a buy one, get one free discount)
 - http://www.cechouston.org/ai/lec_event/historic-boat-tour-on-buffalo-bayou-a-look-back/?instance_id=
- **Oct 6th – The Progressive Forum: Lester Brown, Founder of the Earth Policy Institute**
 - 7:30PM
 - Wortham Center, Cullen Theater
 - <http://www.progressiveforumhouston.org/event/lester-brown>
- **Oct 8th & 9th – Shell Center for Sustainability Town Hall Meeting**
 - The Shell Center for Sustainability is convening the Sustainable Houston Town Hall Meeting to bring together a large coalition of neighborhood leaders committed to a more sustainable Houston. Our objective is to provide an opportunity for discussion and debate. It is also an opportunity to ensure that all neighborhoods in the city share their specific needs and visions. At the heart of the meeting is the vision to develop Houston into a more livable, resilient, efficient, equitable and prosperous city. The meeting will be held on the Rice University campus.
 - There is no cost to attend. More information on the schedule, our co-hosts and participants will be available soon at <http://shellcenter.rice.edu>
- **Oct 8th – Oct 10th 2013 National Recreation & Parks Association Congress and Exposition**
 - 4PM on the 8th through 5PM on the 10th
 - <http://www.nrpa.org/Congress2013/About/>
- **Oct 9th – JSC Sustainability Partnership Team (SPT) Meeting**
 - 3:00 – 4:30PM
 - B-45 R-751
 - POC: Mike Ewert



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- **Oct 13th – 16th Texas Recycling and Sustainability Summit**
 - Summit 2013, set for October 13-16 at the Hyatt Regency Hotel, Houston, Texas, will bring together private sector companies; local, state and federal government officials; academic institutions; non-profit groups and concerned citizens; and trade association leaders interested in recycling and sustainability.
 - <https://www.recyclingstar.org/summit>
- **Oct 19th – Armand Bayou Nature Center, Prairie Pandemonium**
 - Volunteers will become part of a team planting effort to transplant native grasses and wildflowers into ABNC's restored prairies.
 - <http://www.abnc.org/#AA>
- **Oct 19th – Houston's Energy Day Festival**
 - Hermann Square in downtown Houston, across from City Hall.
 - This day-long festival is a family-friendly event celebrating the importance of energy to our daily lives. Visitors can enjoy exhibits, live music, food and contests.
 - More information is available at <http://energydayfestival.org/about/energy-day/>.
- **Oct 19th – 7th Annual KBR Kids Day on Buffalo Bayou**
 - 11:00AM – 3:00PM
 - Downtown's Sabine Promenade
 - http://www.cechouston.org/ai1ec_event/7th-annual-kbr-kids-day/?instance_id=
- **Nov 1st – 8th Annual Feast with the Beasts**
 - 7:00PM – 11:00PM
 - Houston Zoo
 - \$95 Zoo Members; \$105 Non-Members
 - Musical guest: Smash Mouth
 - <http://www.houstonzoo.org/feast/>
- **Nov 2nd – Nurture Nature Festival**
 - 1:00PM – 4:00PM
 - Baytown Nature Center
 - http://www.cechouston.org/ai1ec_event/nurture-nature-festival-2/?instance_id=
- **Nov 14th – JSC Environmental Stewardship Subcommittee Liaison Meeting**
 - 1:30-2:30PM
 - B-45, R-751
 - POC: Alan Amor and Christal Banks
- **Dec 2013 Christmas Cruises along Buffalo Bayou**
 - Weekly on Saturday Dec 7th – Dec 21st, 2013, 5:00PM – 7:30PM
 - Boat landing and pick up location is at downtown's Allen's Landing (Commerce and Main Street) on the other side of Main Street Bridge from the Spaghetti Warehouse.
 - http://www.cechouston.org/ai1ec_event/2013-christmas-cruises-along-buffalo-bayou-2/?instance_id=
- **Dec 5th – JSC Environmental Stewardship Subcommittee 4th quarter meeting**
 - 10:00-11:00
 - B-1 R-820
 - POC: Alan Amor and Christal Banks



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How can I be more sustainable?

Calculate your ecological footprint! How many Earth's does it take to sustain your lifestyle if everyone in the world lived like you?

<http://myfootprint.org/>

Ten Ways to Go Green and Save Green

http://www.worldwatch.org/resources/go_green_save_green

Hot tips for a cool summer! Save energy in summer and fight climate change. Get tips to reduce energy bills and greenhouse gas emissions.

<http://www.epa.gov/epahome/hi-summer.htm>

Landscaping makes WaterSense! Homeowners or businesses can use WaterSense-labeled controllers for landscape watering. Landscaping water controllers with the WaterSense label meet criteria for efficiency and performance.

<http://www.epa.gov/watersense/products/controltech.html>

Check out the "No Impact Project"

<http://noimpactproject.org/>

Additional Links

Top Greenest Cities in North America (2011)

<http://www.siemens.com/press/pool/de/events/2011/corporate/2011-06-northamerican/northamerican-gci-report-e.pdf>

How do I monitor the energy usage in my JSC building?

<http://ebiem:8080/idashboards/?guestuser=guest>

USGBC Texas Gulf Coast Chapter Releases "Is Houston Solar Ready?"

Publication: Available for free [download](#).

Sign up for the Citizen's Environmental Coalition Newsletter

<http://www.cechouston.org/cec-programs/houston-environmental-news-update/>

City of Houston's Official Green Site

<http://www.greenhoustontx.gov/index.html>

Sustainable Houston

<http://www.sustainablehouston.org/index.html>

US Green Building Council Houston

<http://www.usgbc-houston.org/>